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- (71) Applicant (for all designated States except US): **YEDA RESEARCH AND DEVELOPMENT CO. LTD.** [IL/IL]; at the Weizmann Institute of Science, P.O. Box 95, 76 100 Rehovot (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SILBERBERG, Yaron** [IL/IL]; 18 PaAmonit Street, 85 338 Lehavim (IL). **YELIN, Dvir** [IL/IL]; 4a Warburg Street, 96 544 Jerusalem (IL). **ORON, Dan** [IL/IL]; 7 Paldi Street, 76 248 Rechovot (IL).
- (74) Agent: **G.E. EHRLICH (1995) LTD.**; 11 Menachem Begin Street, 52 521 Ramat Gan (IL).
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(54) Title: METHOD OF AND SYSTEM FOR SELECTIVE CELL DESTRUCTION

(57) Abstract: A method of destroying living cells, the cells being characterized by an ionization threshold, the method comprises providing at least one optical pulse having an optical field power smaller than the ionization threshold of the cells while generating conditions for locally increasing the optical field power per unit area beyond the ionization threshold of the cells, thereby destroying the cells via ionization.

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